

WHAT IS CLAIMED IS:

1. An inflatable cuff for blood pressure measurement, comprising:
a first inflatable bag which is inflatable to press an arterial vessel of a body portion of a living subject and stop flow of blood in the arterial vessel which the inflatable cuff is adapted to be wound around the body portion;
a second inflatable bag for sensing a pulse wave propagating along the arterial vessel, the second inflatable bag is supported by the inflatable cuff such that the second inflatable bag is located inside a downstream-side portion of the first inflatable bag as seen in the direction in which the blood flows in the arterial vessel, and which has a dimension as measured in said direction that is smaller than a dimension of the first inflatable bag as measured in said direction; and
a fluid-filled bag which is located between the second inflatable bag and the body portion and which is filled with incompressible fluid.
2. An apparatus according to claim 1, wherein the incompressible fluid is a liquid.
3. An apparatus according to claim 1, wherein the incompressible fluid is a gel.
4. An apparatus according to claim 1, wherein the fluid-filled bag has a size and is located such that the fluid-filled bag is present in a whole space between the second inflatable bag and the body portion of the living subject in a state that the inflatable cuff is wound around the body portion.
5. An apparatus according to claim 4, wherein the incompressible fluid is a liquid.
6. An apparatus according to claim 4, wherein the incompressible fluid is a gel.

7. An apparatus according to claim 1, wherein the fluid-filled bag has a size and is located such that the second inflatable bag and the fluid-filled bag are overlapped in a state that the inflatable cuff is wound around the body portion.
8. An apparatus according to claim 7, wherein the incompressible fluid is a liquid.
9. An apparatus according to claim 7, wherein the incompressible fluid is a gel.